Method 26A of 40 CFR part 60, appendix A, shall be used to determine the concentration, in milligrams per dry standard cubic meter, of total hydro- 
gen halides and halogens that may be present in the vent stream. The mass 
emissions of each hydrogen halide and halogen compound shall be calculated 
from the measured concentrations and the gas stream flow rate.

(3) To determine compliance with the percent removal efficiency, the mass 
emissions for any hydrogen halides and halogens present at the inlet of the 
scrubber or other halogen reduction de-
vice shall be summed together. The 
mass emissions of the compounds 
present at the outlet of the scrubber or 
other halogen reduction device shall be 
summed together. Percent reduction 
shall be determined by comparison of 
the summed inlet and outlet measure-
ments.

(4) To demonstrate compliance with 
the less than 0.45 kilogram per hour 
outlet emission limit, the test results 
must show that the mass emission rate 
of total hydrogen halides and halogens 
measured at the outlet of the scrubber or 
or other halogen reduction device is 
below 0.45 kilogram per hour.

(5) The owner or operator may use 
any other method to demonstrate compli-
ance if the method or data has been 
validated according to the applicable 
procedures of Method 301 of appendix A 
of this part.

(e) An owner or operator using a 
scrubber or other halogen reduction de-
vice to reduce the vent stream halogen 
atom mass emission rate to less than 
0.45 kilogram per hour prior to a com-


§ 63.117 Process vent provisions—re-
porting and recordkeeping require-
ments for group and TRE deter-
ninations and performance tests.

(a) Each owner or operator subject to 
the control provisions for Group 1 proc-
ess vents in §63.113(a) or the provisions 
for Group 2 process vents with a TRE 
index value greater than 1.0 but less 
than or equal to 4.0 in §63.113(d) shall:

(1) Keep an up-to-date, readily access-
able record of the data specified in 
paragraphs (a)(4) through (a)(8) of this 
section, as applicable, and 

(2) Include the data in paragraphs 
(a)(4) through (a)(8) of this section in 
the Notification of Compliance Status 
report as specified in §63.152(b) of this 
subpart.

(3) If any subsequent TRE determina-
tions or performance tests are con-
ducted after the Notification of Com-
pliance Status has been submitted, re-
port the data in paragraphs (a)(4) 
through (a)(8) of this section in the 
next Periodic Report as specified in 
§63.152(c) of this subpart.

(4) Record and report the following 
when using a combustion device to 
achieve a 98 weight percent reduction 
in organic HAP or an organic HAP con-
centration of 20 parts per million by 
volume, as specified in §63.113(a)(2) of 
this subpart:

(i) The parameter monitoring results 
for incinerators, catalytic incinerators, 
boilers or process heaters specified in 
table 3 of this subpart, and averaged 
over the same time period of the per-
formance testing.

(ii) For an incinerator, the percent 
reduction of organic HAP or TOC 
achieved by the incinerator determined 
as specified in §63.116(c) of this subpart, 
or the concentration of organic HAP or 
TOC (parts per million by volume, by 
compound) determined as specified in 
§63.116(c) of this subpart at the outlet 
of the incinerator on a dry basis cor-
corrected to 3 percent oxygen.

(iii) For a boiler or process heater, a 
description of the location at which the 
vent stream is introduced into the boil-
er or process heater.

(iv) For a boiler or process heater 
with a design heat input capacity of 
less than 44 megawatts and where the 
vent stream is introduced with com-
bustion air or used as a secondary fuel 
and is not mixed with the primary fuel, 
the percent reduction of organic HAP 
or TOC, or the concentration of organic 
HAP or TOC (parts per million by vol-
ume, by compound) determined as 
specified in §63.116(c) at the outlet of 

[59 FR 19468, Apr. 22, 1994, as amended at 62 
FR 2746, Jan. 17, 1997; 64 FR 20191, Apr. 26, 
1999; 66 FR 6931, Jan. 22, 2001]
the combustion device on a dry basis corrected to 3 percent oxygen.

(5) Record and report the following when using a flare to comply with §63.113(a)(1) of this subpart:

(i) Flare design (i.e., steam-assisted, air-assisted, or non-assisted);
(ii) All visible emission readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required by §63.116(a) of this subpart; and
(iii) All periods during the compliance determination when the pilot flame is absent.

(6) Record and report the following when using a scrubber following a combustion device to control a halogenated vent stream:

(i) The percent reduction or scrubber outlet mass emission rate of total hydrogen halides and halogens as specified in §63.116(d) of this subpart;
(ii) The pH of the scrubber effluent; and
(iii) The scrubber liquid to gas ratio.

(7) Record and report the following when achieving and maintaining a TRE index value greater than 1.0 but less than 4.0 as specified in §63.113(a)(3) or §63.113(d) of this subpart:

(i) The parameter monitoring results for absorbers, condensers, or carbon adsorbers, as specified in table 4 of this subpart, and averaged over the same time period of the measurements of vent stream flow rate and concentration used in the TRE determination (both measured while the vent stream is normally routed and constituted), and
(ii) The measurements and calculations performed to determine the TRE index value of the vent stream.

(8) Record and report the halogen concentration in the vent stream determined according to the procedures specified in §63.115(d)(2)(v).

(b) The owner or operator of a Group 2 process vent with a TRE index greater than 4.0 as specified in §63.113(e) of this subpart, shall maintain records and submit as part of the Notification of Compliance Status specified in §63.152 of this subpart, measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Documentation of engineering assessments shall include all data, assumptions, and procedures used for the engineering assessments, as specified in §63.115(d)(1) of this subpart.

(c) Each owner or operator who elects to demonstrate that a process vent is a Group 2 process vent based on a flow rate less than 0.005 standard cubic meter per minute must submit to the Administrator the flow rate measurement using methods and procedures specified in §63.115 (a) and (b) of this subpart with the Notification of Compliance Status specified in §63.152 of this subpart.

(d) Each owner or operator who elects to demonstrate that a process vent is a Group 2 process vent based on organic HAP or TOC concentration less than 50 parts per million by volume must submit to the Administrator an organic HAP or TOC concentration measurement using the methods and procedures specified in §63.115 (a) and (c) of this subpart with the Notification of Compliance Status specified in §63.152 of this subpart.

(e) If an owner or operator uses a control or recovery device other than those listed in tables 3 and 4 of this subpart or requests approval to monitor a parameter other than those specified in tables 3 and 4 of this subpart, the owner or operator shall submit a description of planned reporting and recordkeeping procedures as required under §63.151(f) or §63.152(e) of this subpart. The Administrator will specify appropriate reporting and recordkeeping requirements as part of the review of the permit application or by other appropriate means.

(f) For each parameter monitored according to tables 3 or 4 of this subpart or paragraph (e) of this section, the owner or operator shall establish a range for the parameter that indicates proper operation of the control or recovery device. In order to establish the range, the information required in §63.152(b) of this subpart shall be submitted in the Notification of Compliance Status or the operating permit application or amendment.